

REMARKS

Summary

Claims 1-35 were pending and Claims 1-17 and 31-35 were withdrawn from consideration in response to a restriction requirement. Claims 18-30 were rejected in the present Office action. Claims 1-17 and 31-35 are cancelled without prejudice. The Applicants have amended Claim 18, cancelled Claim 27 and introduced new dependent Claims 36 and 37. No new matter has been added. In view of the amendments, the Applicants respectfully submit that the claims are in condition for allowance.

Claim Rejections

35 U.S.C. § 102 (e)

Claim 18 was rejected under 35 U.S.C. §102(e) as being anticipated by Takenaka (US 6,765,637; "Takenaka"). Claims 18-19 and 21-30 were rejected under 35 U.S.C. §102(e) as being anticipated by Jang et al. (US 6,927,820; "Jang").

The Applicants respectfully submit that Jang is disqualified as a reference in this matter as the priority date of the present application antedates the United States filing date of the reference. Priority in this application has been claimed under 35 U.S.C. § 119 to Korean patent application KP2003-0032871, filed on May 23, 2003. This priority claim has previously been acknowledged, and is hereby perfected by a filing of a Verified English translation of the priority application, which is attached to this paper. Jang was filed in the USPTO on June 25, 2003. Further, the Applicants state that, at the time the invention was made, there was either common ownership thereof or an obligation to assign the invention to the common owner, and that this situation would also disqualify Jang as a reference under 35 U.S.C. 103 (c) (1).

The Applicants have amended Claim 18 to incorporate the subject matter of Claim 27, which has been cancelled, and respectfully submit that the remaining reference, Takenaka, does not anticipate amended Claim 18. Takenaka has not been used to reject Claim 27 and, as such, the subject matter

of Claim 27 is not anticipated by Takanaka. The amendment of Claim 18 to incorporate the subject matter of now cancelled Claim 27 places Claim 18 in condition for allowance.

For at least the reasons given above, the reference does not teach all of the elements of amended Claim 18 and the claim is allowable. Claims 19-26 and 28-30, being claims dependent on an allowable claim are allowable, without more.

35 U.S.C. § 103 (a)

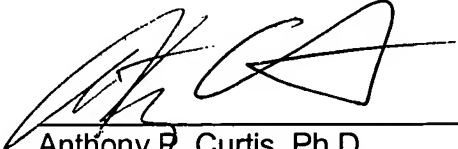
Claim 20 was rejected under 35 U.S.C. § 103 (a) as being unpatentable over Jang as applied above. As set forth above, Jang is disqualified as a reference under 35 U.S.C. § 102(e), and it follows that the reference is not applicable as a reference under 102(e)/103(a). As only Jang was used as a reference to make the rejection of Claim 20, a *prima facie* case of obviousness has not been made out and Claim 20 is allowable. Claim 20 is also allowable, without more, as a claim dependent on an allowable base claim.

Conclusion

Claims 18-26, 28-30 and 36-37 are pending. Claim 18 was amended. New Claims 36 and 37 have been presented. Claims 1-17, 27 and 31-35 have been cancelled.

The Applicant respectfully submits that, for at least the reasons given above, the application is in condition for allowance. The Examiner is respectfully requested to contact the undersigned in the event that a telephone interview would expedite consideration of the application.

Respectfully submitted,



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